

Steven Skoczen

Curriculum Vitae

Professional Goals

Primarily, my focus is to help humanity forge a more sustainable relationship with the world around us. This goal is approached by three vectors: minimizing impact on the immediate environment, creating processes that are self-sustaining, and most importantly, improving awareness of the consequences of our actions. In design, I tend to use natural systems as a model, recognizing that as a whole, those processes have already stood the test of time. I am also keenly interested in using knowledge from a variety of disciplines to solve environmental problems – finding connections and inspirations that have been otherwise overlooked.

Publications

In Revision:

ebDB – Filling the Gap for an International Ethnobotany Database
Steven Skoczen, Dr. Rainer Bussmann. Full Article, in revision.

Olorien: A Free Package for Scientific Journal Creation, Management, and Publication
Steven Skoczen, Dr. Rainer Bussmann. Full Article, in revision.

Computers as a Tool for Medical Surveys: Past, Present, Future, and Design
Steven Skoczen, Leslie Lenert, M.D. Full Article, in revision.

The Right Tool for the Job: a Comparison of Ethnobotanical Repositories
Steven Skoczen, Dr. Rainer Bussmann. Review, in revision.

Articles and Abstracts:

IMPACT4: A Framework for Rapid, Modular Construction of Web-based, Patient Decision Support Systems and Preference Measurement Tools
Steven Skoczen and Aditya Bansod, Leslie Lenert, M.D. American Medical Informatics Association, October 2003.

Software to Enhance Communication about Risk Preferences
Lenert LA, **Skoczen S**, Athale N, Stallworth T, Kavanaugh A. American College of Rheumatology, October 2003.

The Internet as a Research Tool: Worth the Price of Admission?
Leslie Lenert, MD and **Steven Skoczen**. Annals of Behavioral Medicine. 24 (4), 251-257 2002.

Web-based Decision Support for Rheumatoid Arthritis Patients.
L Lenert, **S Skoczen**, N Athale, T Stallworth and A Kavanaugh. Section on Health Services Research, VA San Diego Healthcare System and the Center for Innovative Therapies, University of California, San Diego. (2003)

A Web-Compatible Instrument for Measuring Self-Reported Disease Activity in Arthritis.
Athale N, Sturley A, **Skoczen S**, Kavanaugh A, Lenert L. The Journal of Rheumatology, July 15 2003.

Design and Pilot Evaluation of an Internet Smoking Cessation Program
Leslie Lenert, MD, MS, Ricardo F. Muñoz, PhD, Jackie Stoddard, PhD, Kevin Delucchi, PhD, Aditya Bansod, **Steven Skoczen** and Eliseo J. Pérez-Stable, MD, Journal of the American Medical Informatics Association 10:16-20 (2003)

(publications continued)

Books:

Foundation Javascript, **Co-Author**, Wrox Press. Publication Pending.

Flash 5 Actionscript Studio, **Technical Editor**, Wrox Press 2001.

Flash 5 Dynamic Content Studio, **Technical Editor**, Wrox Press 2001.

Selected Professional and Volunteer Experience:

Programmer and Team leader, for ethnobotanical field research in coastal Perú. Responsibilities included the design and creation of the project database, formulation of interview questions, and supervision of students on the project. I was a volunteer on the project. Research was funded by a Minority International Research Training grant, in association with UC Berkeley and San Diego State University. Summer 2003 and 2004.

Lead designer and programmer for medical interventions for Smoking Cessation, Rheumatoid Arthritis, Alzheimer's, Schizophrenia, and Muscular Sclerosis. Was responsible for all interface design, architected several large software frameworks, and managed a team of 7 programmers. University of California, San Diego, 2000-Present.

Sole Proprietor, Quantum Imagery. I have built a successful web development business from the ground up. Quantum Imagery provides graphic and interface design, traditional programming, and web-based applications. Our client list includes Honda, Volkswagen, Ericsson, Stanford University, and a host of Fortune 1000 companies and non-profit organizations. 2000-Present.
<http://www.quantumimagery.com>

Founding member, spokesperson, media chairperson, San Diego Coalition for Peace and Justice (SDCPJ). Served on the coordinating committee and worked extensively on quick response actions for the wars in Afghanistan and Iraq. SDCPJ is now the largest peace and justice organization in the San Diego area, counting over 1,800 members. 2001-2004.

Instructor. Taught classes for web development teams and individuals throughout the San Diego area. Topics covered include Macromedia Flash basic, intermediate, and advanced courses, Javascript, CSS and Design for the Internet. 2001-Present.

Conferences attended:

2nd International Congress of Biological and Cultural Diversity in the Andes and Amazon Basin. Loja, Ecuador, 2003

1st Congreso Internacional Diversidad Biológica y Cultural Andina Trujillo, Perú, 2004

Selected Professional Accomplishments

Created Olorien, a scientific journal creation and management application for the Internet. It includes complete management of a peer-reviewed journal and automated creation of web and print editions. As a completely free product, Olorien is targeted to be a solution for Journal creation and management for NGOs and institutions in developing countries.

Created the International Ethnobotany Database, a multilingual online database designed to securely house ethnobotanical data from any project in the world. The database includes translation, and localization features, advanced searching, and user-based data access controls. Its goal is to become the international storehouse for ethnobotanical information.

Co-created Impact4, a modular framework for branching, multimedia surveys. The framework works both on the Internet and offline, supports nonlinear user-driven navigation, transmission of encrypted data over XML sockets, database connectivity, and modular "widgets" for common interface elements. Impact4 is emerging as a standard for computer-based medical decision-making.

Other Skills:

Languages

- English – Fluent
- Spanish – Intermediate
- Japanese – Basic

Software Development

Fluent Languages: PHP, ECMAScript/Javascript, XML, Actionscript, (X)HTML, CSS

Other Languages (working knowledge): Java, Ruby, Perl, bash/tcsh, Pascal

Experience with patent applications, system design for large software architectures, database design and connectivity, networking, and user security and confidentiality.